

Test Laboratory: Compliance Certification Services

## D5GHzV2\_M5200\_102203

**DUT: Dipole 5200-5800MHz; Type: D5GHzV2; Serial: 1003**

**Program Name: System Performance Check at Body 5200 MHz**

**Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C**

Communication System: CW 5200MHz; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: M5200MHz ( $\sigma = 5.4839$  mho/m,  $\epsilon_r = 48.9569$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**d=10mm, Pin=250mW/Area Scan (9x9x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 89.3 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 35 mW/g

**d=10mm, Pin=250mW/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

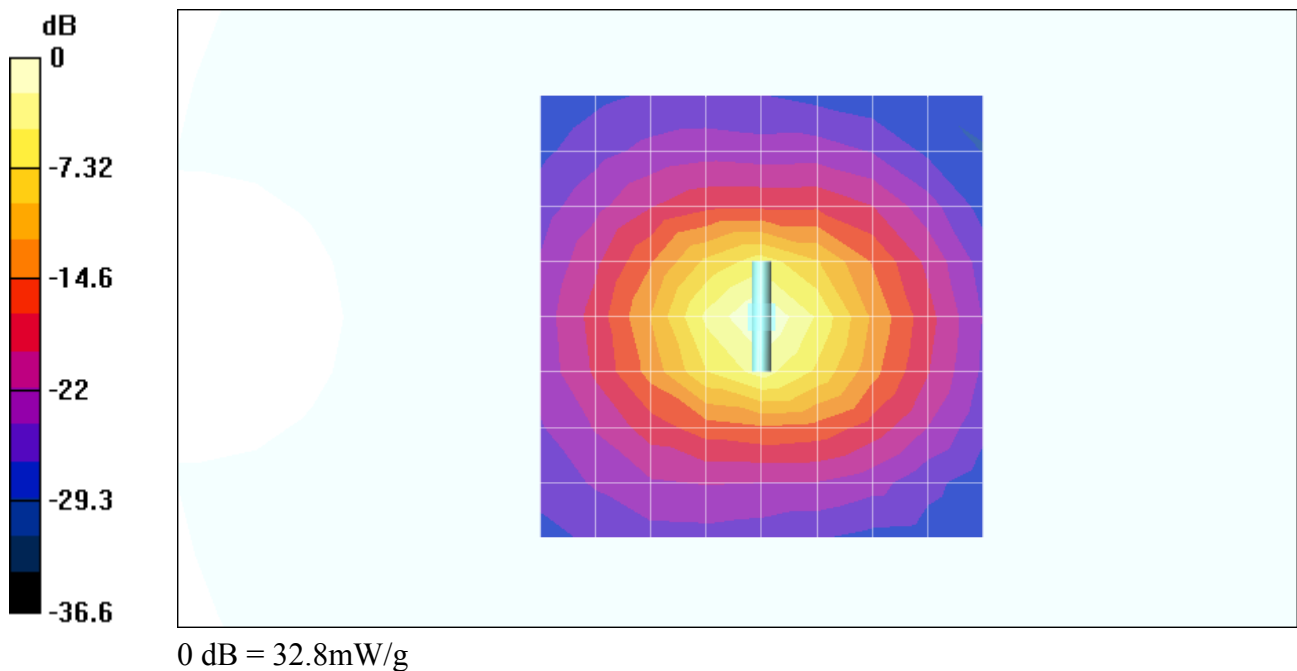
Peak SAR (extrapolated) = 84.7 W/kg

SAR(1 g) = 22.9 mW/g; SAR(10 g) = 6.46 mW/g

Reference Value = 89.3 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 32.8 mW/g



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**DUT: Dipole 5200-5800MHz; Type: D5GHzV2; Serial: 1003**

DASY4 Configuration:

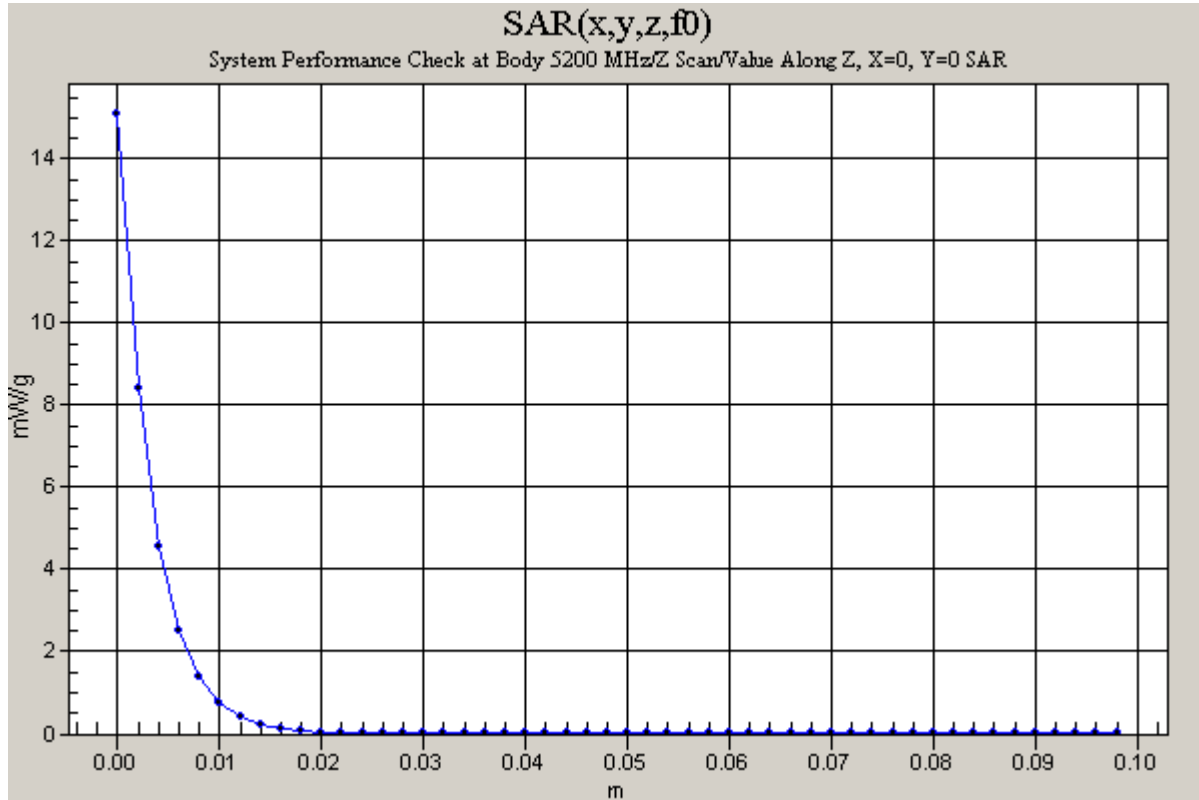
- Probe: ES3DV2 - SN3021; ConvF(1.4, 1.4, 1.4); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**d=10mm, Pin=250mW/Z Scan (1x1x51):** Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 89.3 V/m

Power Drift = -0.1 dB

Maximum value of SAR = 15.1 mW/g



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## D5GHzV2\_M5800\_102303

**DUT: Dipole 5200-5800MHz; Type: D5GHzV2; Serial: 1003**

**Program Name: System Performance Check at Body 5800 MHz**

**Ambient Temperature: 25.0 deg C; Liquid Temperature: 23.5 deg C**

Communication System: CW-5800MHz; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: M5800MHz ( $\sigma = 6.2951$  mho/m,  $\epsilon_r = 47.2275$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); Calibrated: 7/29/2003
- Sensor-Surface: 3.1mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**d=10mm, i/p power=250mW/Area Scan (8x9x1):** Measurement grid: dx=10mm, dy=10mm

Reference Value = 86.1 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 26.7 mW/g

**d=10mm, i/p power=250mW/Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

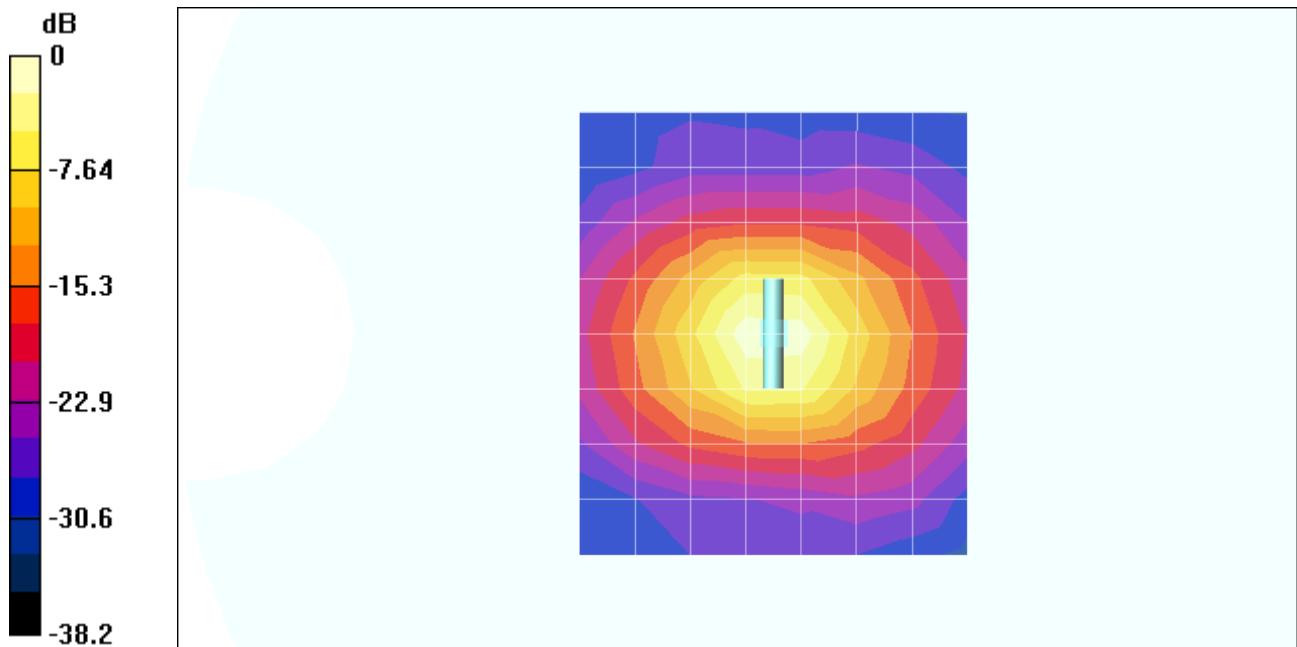
Peak SAR (extrapolated) = 91.5 W/kg

SAR(1 g) = 22.8 mW/g; SAR(10 g) = 6.3 mW/g

Reference Value = 86.1 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 32.1 mW/g



0 dB = 32.1mW/g

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## D5GHzV2\_M5800\_102303

**DUT: Dipole 5200-5800MHz; Type: D5GHzV2; Serial: 1003**

DASY4 Configuration:

- Probe: ES3DV2 - SN3021; ConvF(1.1, 1.1, 1.1); Calibrated: 7/29/2003
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 2/4/2003
- Phantom: SAM 2; Type: SAM 2; Serial: 1050
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.8 Build 62

**d=10mm, i/p power=250mW/Z Scan (1x1x51):** Measurement grid: dx=20mm, dy=20mm, dz=2mm

Reference Value = 86.1 V/m

Power Drift = -0.0 dB

Maximum value of SAR = 12.8 mW/g

